ABSTRACT OF THE DISCLOSURE

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A vacuum cleaner and air pump structure which has an air supply pump, a dust vacuum box, a vacuum tube and an air ejection tube, characterized in that the air supply pump includes an air supply head and an air inlet head which can respectively connect with the air ejection tube and the dust vacuum box; and the vacuum box is formed from two halves hollow cylindrical body, wherein in one half of the hollow cylindrical body, an outer edge is extended and the center section of the outer edge is connected to a connection head which can be connected to the air inlet head of the air supply pump, and the dust vacuum box is provided with a concentric connection head having a bottom section engaged with an engageable filter seat, and the bottom section of the filter seat is mounted with a filter.